

## A New Species and a New Subspecies of Cyprinidae from North China

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In our North China collection of fresh water fishes I have found two interesting species. One was collected from Pai-yang-tien (白洋淀) of Pao-tung (保定), another from Middle Hoang-Ho of Pao-tou (包頭). They belong to the family Cyprinidae and are considered to be new to science.

### *Toxabramis paiyantieni* sp. nov. (Fig. 1)

D. II, 6; A. II, 16; P. I, 12; LL.  $52\frac{3}{4}$ .

Head 4.8 in body length; depth 4.5; eye 3.1 in head; snout 4.0; inter-orbital space 3.5; depth of caudal peduncle 2.4; pectoral I. O.

Body elongate, much compressed, the entire abdominal edge being trenchant. Eye rather large, its diameter greater than length of snout and width of interorbital space. Mouth narrow, subvertical; lips thin, firm; maxillary reaching vertical from middle of nostrils, lower jaw directed upward; pharyngeal teeth 4.2–2.5; not serrated. Gill membranes attached to isthmus below posterior margin of preopercle; gill rakers slender, closely set, about 24 in the first arch. Lateral line slanting down abruptly to over end of pectoral, running low, and rising by an abrupt slant to the center on front of caudal peduncle.

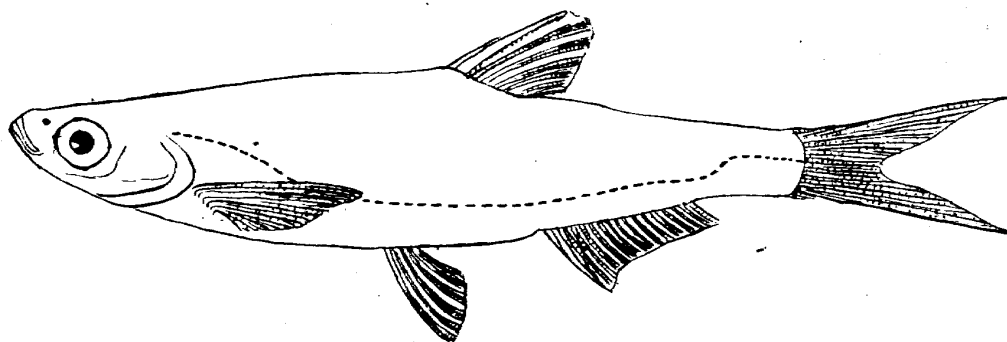


Fig. 1. *Toxabramis paiyantieni*

Dorsal nearer to base of caudal than tip of snout, the second osseous ray serrated behind; pectorals extending three scales distance to base of ventrals; ventrals inserted in advance of dorsal and not reaching vent;

anal origin nearer to that of ventrals than base of caudal; caudal deeply forked. Colour in formalin dusky on upper parts and silvery below; dorsal, caudal, anal fins dusky, and other fins pale.

Total length 105 mm.

Described and figured from a male specimen from Pai-yang-tien of Pao-ting. This species differs from *Toxabramis swinhonis* (GÜNTHER) from middle China, in having larger scales, smaller eye and shorter anal fin.

***Leuciscus waleckii suiyanus* subsp. nov. (Fig. 2)**

1876. *Squalius chinensis* PRZWALSKI, Travels in Eastern High Asia, Vol. I, Paotou; nomen nudum.

D. III, 7; A. III, 9; P. I, 13; V. I, 9; LL.  $53\frac{5}{6}$

Head 3.45 in body length; depth 3.9; eye 6.6 in head; snout 3.8; inter-orbital space 3.4; depth of caudal peduncle 3.0; dorsal 1.8; pectoral 1.9; anal 1.95.

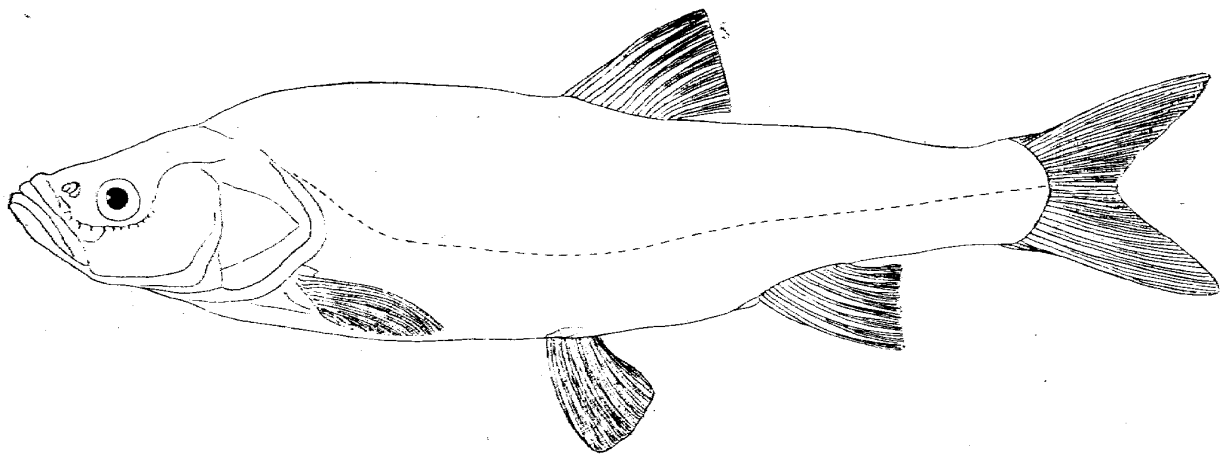


Fig. 2. *Leuciscus waleckii suiyanus*

Body elongate, moderately compressed, dorsal and ventral outlines rather similar and nape elevated.

Head rather large, rather compressed; abdomen rounded; mouth oblique; maxillary about reaching below anterior margin of eye; no barbels; eye moderate, anterior; interorbital space broad, flat; nostrils close together, in front of the upper part of eye, the anterior rounded, the posterior semi-lunar. Gill membranes attached to isthmus below posterior margin of eye; gill-rakers 3+7, very short, about one-fifth of gill filament; pharyngeal teeth 5.3-3.5, its tip hooked. Peritoneum reddish brown, air bladder large, bipartite, the posterior part longer; intestine big and short, with a single convolution. Lateral line complete, broadly decurved; scales large, cycloid; pectoral with a fleshy flap; ventral flap elongate, and pointed.

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Origin of dorsal nearer to base of caudal than tip of snout by a space of snout length, its longest ray 1.8 in head; pectorals extending six scales distance to base of ventrals; ventrals inserted slightly in advance of dorsal and nearly reaching to anal; anal well behind the base of last dorsal ray, its longest ray 1.9 in head; caudal emarginate; caudal peduncle rather long, its least depth 3.0 in head.

Colour in formalin light brownish above and silvery below. All fins more or less dusky.

Total length 306 mm.

Measurements of five other specimens

Locality	Total-length	D.	A.	Head	Depth	Eye	Snout	Inter-orbital	Scales
Pao-ton	181	III, 7	III, 9	3.5	3.9	5.4	3.7	3.7	54, $\frac{9}{5}$
"	177	III, 8	III, 10	3.4	4.0	4.5	3.6	3.6	50, $\frac{9}{5}$
"	205	III, 7	III, 9	3.3	3.5	5.4	3.8	3.8	52, $\frac{9}{5}$
"	185	III, 7	III, 9	3.4	4.1	5.3	3.8	3.8	52, $\frac{9}{5}$
"	180	III, 7	III, 9	3.3	4.0	5.4	3.7	3.8	50, $\frac{9}{5}$

Described and figured from a male specimen from Middle Hoang-ho near Pao-tou. The present subspecies resembles *Leuciscus waleckii sinensis* RENDAHL from Ping-la-hsien, south Shansi, and Hsien-an-hsien, Honan, but has a larger head, and lower dorsal and anal fins.